

Title (en)

SYSTEM AND METHOD FOR DIGITAL RENDERING OF IMAGES AND PRINTED ARTICULATION

Title (de)

SYSTEM UND VERFAHREN FUER EINE DIGITALE BILDWIEDERGABE UND FUER ARTIKULATIONBILDWIEDERGABE

Title (fr)

SYSTEME ET PROCEDE DE RENDU NUMERIQUE D'IMAGES ET D'UN GESTE PRODUISANT UNE IMAGE

Publication

EP 0603174 B1 19990602 (EN)

Application

EP 91918095 A 19910905

Priority

US 9106412 W 19910905

Abstract (en)

[origin: WO9305468A1] A system and method to accurately digitally simulate a rendering of a printed articulation, stroke or mark by a donor medium used in graphic arts, such as paints, pencils, erasers or other implements. Using a computer (1) or other hardware the system and method provides a digital representation of dye-concentration color mixing, receptor grain and variable grain penetration, and a smooth continuous brush stroke without visible artifacts on a color monitor (6). Other objects of the invention include methods for varying the shape of a tip of an implement (5) across a stroke over a tablet (4) to accurately simulate brushes and other donor-receptor articulation common to natural media, and for rendering a brush stroke in multiple strokes to accurately simulate brush bristles.

IPC 1-7

G06F 3/037; **G06T 11/80**

IPC 8 full level

G06F 3/041 (2006.01); **G06F 3/0484** (2013.01); **G06T 11/00** (2006.01); **G06T 11/80** (2006.01)

CPC (source: EP)

G06F 3/04845 (2013.01); **G06T 11/001** (2013.01)

Cited by

CN1313988C

Designated contracting state (EPC)

AT CH DE FR GB LI SE

DOCDB simple family (publication)

WO 9305468 A1 19930318; DE 69131300 D1 19990708; DE 69131300 T2 20000203; EP 0603174 A1 19940629; EP 0603174 A4 19940824; EP 0603174 B1 19990602; JP H06510145 A 19941110

DOCDB simple family (application)

US 9106412 W 19910905; DE 69131300 T 19910905; EP 91918095 A 19910905; JP 51696291 A 19910905